

Tool Time! Successes in Providing Compliance Assistance Tools for EPA's Air Toxics Rules

Presented by

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Tools for EPA's Air Toxics Rules



What's available, and what would you like?

OAQPS Organizational Chart

Office of Air Quality Planning and Standards
Steve Page [Director]

AQSSD
Air
Quality

EMAD
Emissions
Monitoring

ESD
Air Toxics
Rules

ITPID - Information Transfer & Program Integration
PIRG – Program Implementation and Review Group

Key Questions

- ✓ What tools are available now?
- ✓ What additional tools are being developed?
- ✓ Where can they be found?
- ❑ Which rules most need tools?
- ❑ What tools do you need most?
- ❑ What are your tips and feedback on tool development and use?
- ❑ How can we evaluate our effectiveness?

Presentation Overview

We will **cover**:

- **Example tools**
- **Rules where tools are available now**
- **Present/Future projects**
(what and when)
- **Partnership Opportunities**
- **Air Toxics Website**

Types of Tools

Education

Outreach

Compliance

Enforcement

- **rule overview brochures**
- **applicability flowcharts**
- **compliance timelines**
- **inspection checklists**
- **contacts**
- **Q&As**
- **facility lists**
- **example forms**



Implementation Activities for the New Surface Coating MACTs - An Overview and Partnership Opportunities



REGULATIONS CONTROLLING AIR EMISSIONS FROM **THE BOAT MANUFACTURING INDUSTRY**

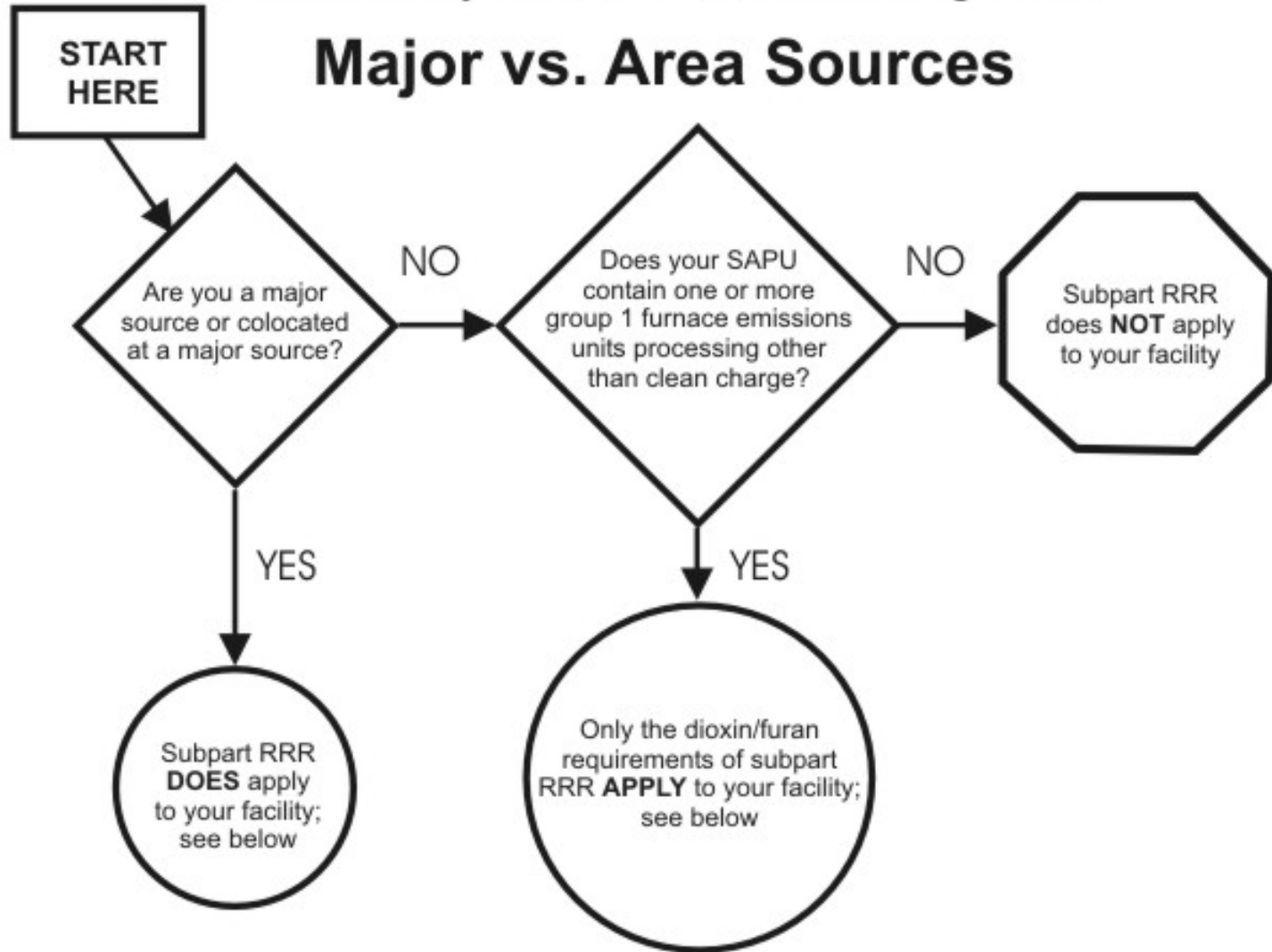


Photo courtesy of Brunswick Boat Group.

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)

For Secondary Aluminum Processing Units

Major vs. Area Sources



Completed Projects

Aerospace

Architectural Coatings

Autobody Refinishing

Boat Manufacturing

Consumer Products

Ethylene Oxide Sterilizers

Flexible Polyurethane Foam

Halogenated Solvents

HMIWI/MWC/Landfills (111d)

Off Site Waste

Oil and Natural Gas

Pesticide Active Ingredient

Petroleum Refineries

Polyether Polyols

Portland Cement

Primary Aluminum

Pulp & Paper I, II, III

Shipbuilding

Wood Furniture

Present Projects

- **Miscellaneous Organic NESHAP**
- **Municipal Solid Waste Landfills**
- **Reinforced Plastics**
- **Secondary Aluminum**
- **SOCMI Wastewater**
- **Surface Coating MACTs**
- **General Provisions**

Future Projects (?)

- **Gas Turbines**
- **Industrial, Commercial & Institutional Boilers**
- **Plywood and Particle Board**
- **Reciprocating Internal Combustion Engine**
- **Surface Coatings MACTs**
- **(Your biggest needs...?)**

2002 Surface Coating Efforts

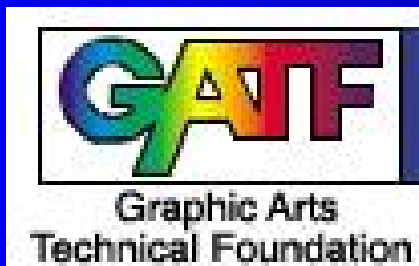
Auto/Light Duty Truck
Fabric Printing/Coating/Dyeing
Large Appliances
Miscellaneous Metal Parts
Metal Can
Metal Coil
Metal Furniture
Paper & Other Web Coating
Plastic Parts and Products
Wood Building Products



EPA and YOU

25 of 27 needed tools have leads!

Establishing
Partnerships that
make the
difference



Cross-Cutting Efforts

Part 63, Subpart A – General Provisions

- Overview Brochure
- Keyword Index to the GP
- Compliance Timeline
- Example Reporting Forms [under 63.9, 63.10]
- + More

www.epa.gov/ttn/atw/gp/gppg.html

Air Toxics Website

Your One-Stop-Shopping Information Center



So you can
spend time
using the tools,
NOT finding them.

www.epa.gov/ttn/atw



Back



Forward



Reload



Home



Search



Netscape



Print



Security



Shop



Stop



Bookmarks



Netsite: <http://www.epa.gov/ttn/atw/index.html>

[Rules & Implementation](#)

[NATA](#)

[Risk Studies](#)

[Education & Outreach](#)

[About Air Toxics](#)

[Pollutants & Sources](#)

[State Local Tribal Resources](#)

[Publications](#)

[Contacts](#)

[Technical Resources](#)

[New](#)

TTNWeb
Technology Transfer Network

ATW
Air Toxics Website

Quick
Search

Go



Rules & Implementation



National Air Toxics Assessment

About
Air Toxics

Urban, Great Waters
& Regional Programs



Education, Outreach
& Partnerships





Rule Information

This is a list of EPA's Air Toxics Regulations [also known as national emission standards for hazardous air pollutants (NESHAP) or maximum achievable control technology (MACT) standards.]

- [Table of Completed Regulations](#)
- [Table of Proposed Regulations](#)
- [Table of Upcoming Regulations](#)

The following links provide information on regulations in addition to air toxics standards that are required for the listed industries

- [Coatings Coordinated Rule Development \(CCCR\)](#)
- [Combustion Related Rules](#)



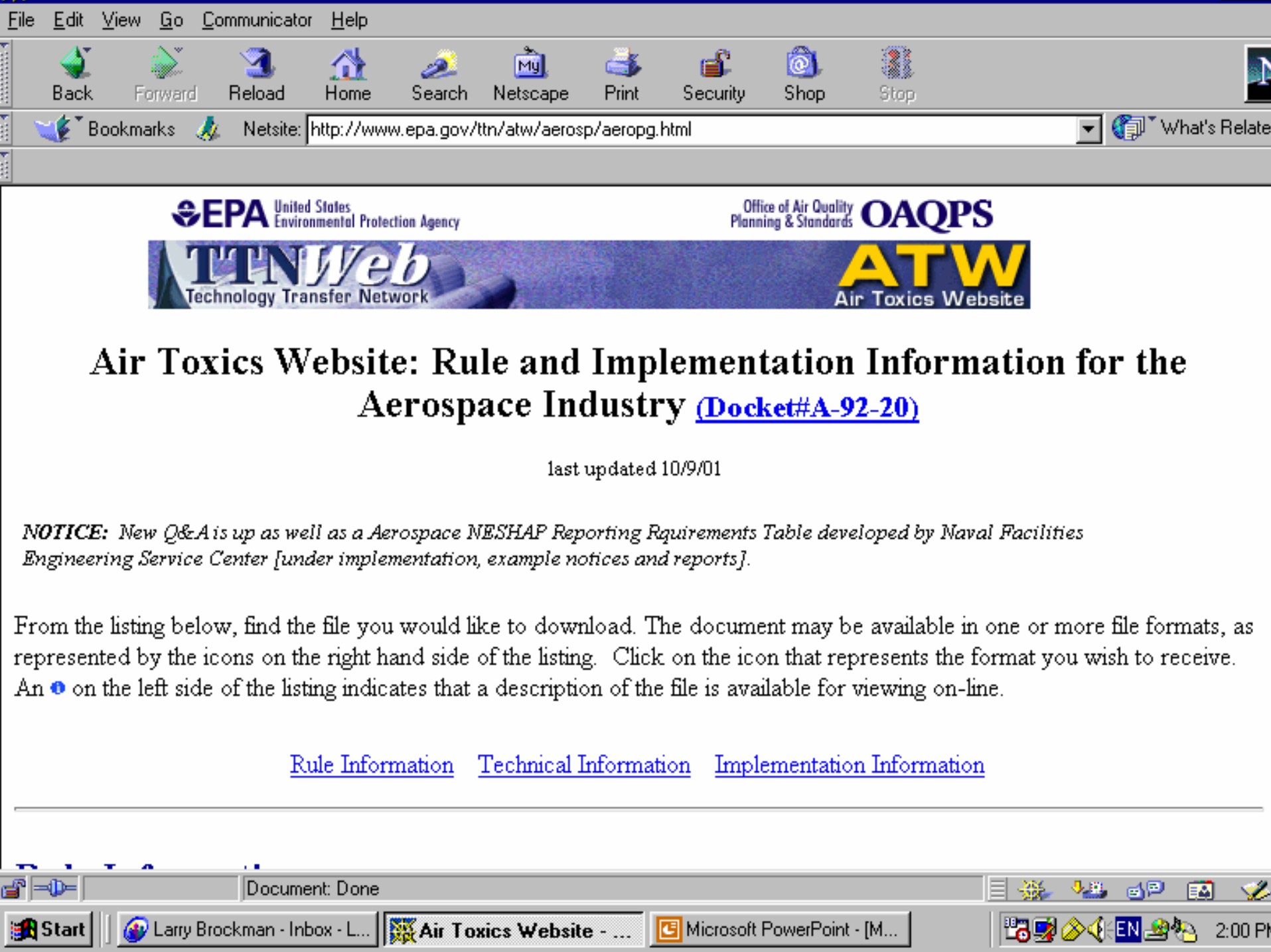
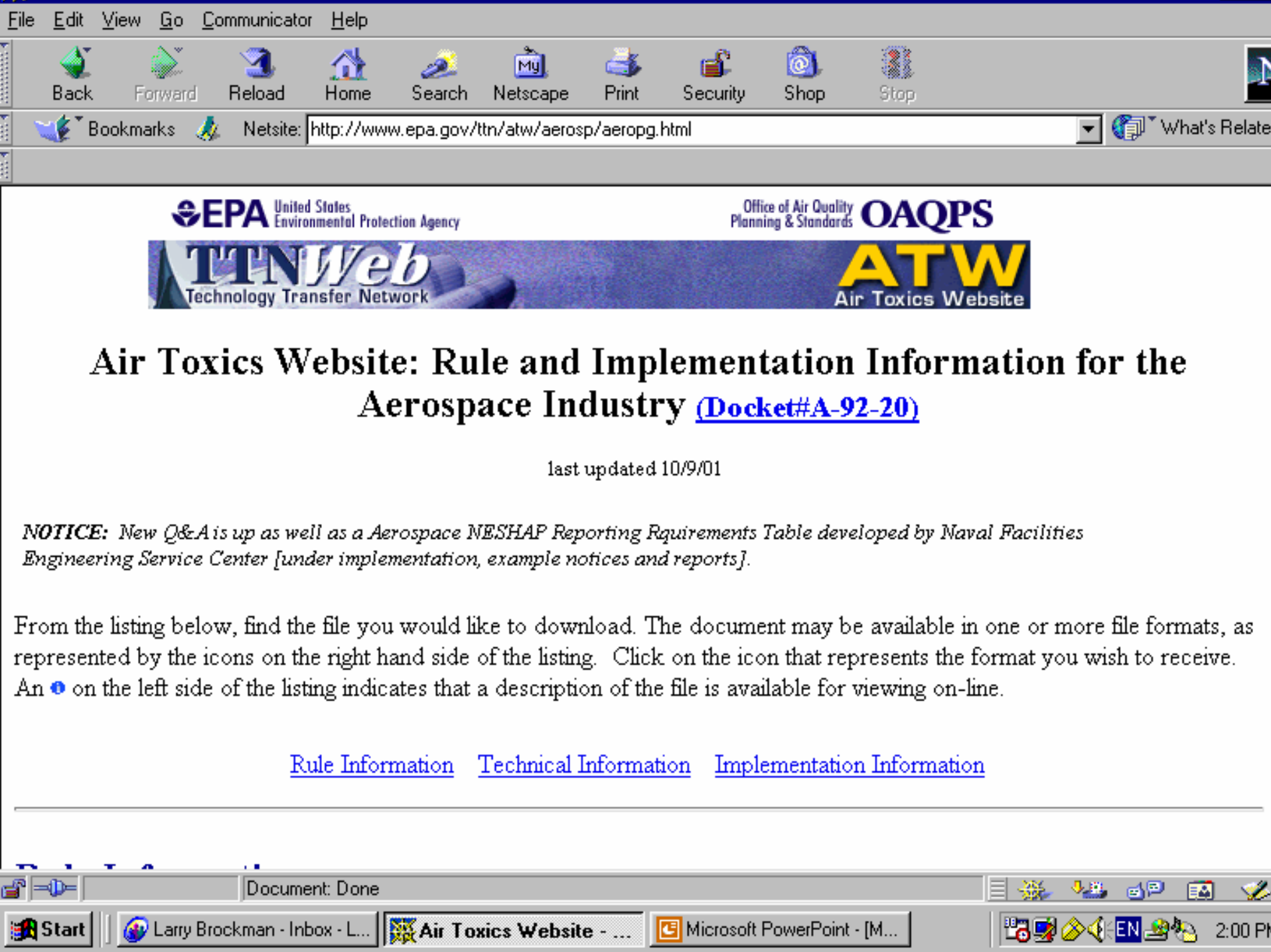
Bookmarks Netsite: <http://www.epa.gov/ttn/atw/mactfml.html>

What's Related

4 Year Final MACT Standards

MACT STANDARD Source Categories Affected	CFR Sub Parts	Final Fed Register Date & Citation	Compliance Date	Project Lead
Aerospace Industry	GG	09/01/95 (60FR45948)	09/01/98	Barbara Driscoll 919-541-1051 driscoll.barbara@epa.gov
Asbestos Processing	--	DELISTED 11/30/95 (60FR61550)	--	Susan Zapata 919-541-5167 zapata.susan@epa.gov
Chromium Electroplating				
<ul style="list-style-type: none"> Chromic Acid Anodizing Chromic Acid Anodizing 	--	01/25/95	01/25/96 deco	Phil Mulrine 919-541-5000

Document: Done










Implementation Information

Implementation Information

NOTICE: EPA's Subpart GG Implementation Document has been modified to reflect the final amendments published 12/8/00 and other minor typo corrections. Changes are highlighted and have been made to the following pages: i, ii, 3, 4, 7, 11, 17, 22, 27, 34, 36, 39, and 75.

- | | | | |
|---|------------------|---|---|
|  | 1/01
(update) | National Emission Standards for Aerospace Manufacturing and Rework Facilities: Summary of Requirements for Implementing the NESHAP [Includes the 3/98 through the 12/00 final amendments and corrections to errors found through 12/29/00] (EPA-456/R-97-006) |  
(WPD format) |
| | 3/98 | Brochure: New Regulations Controlling Air Emissions for Aerospace Manufacturing and Rework Facilities 40 CFR 63, Subpart GG [Includes the 3/98 final amendments] |  
(WPD format) |

Source Identification and Location Information

Source list file currently unavailable for download

Source list file currently unavailable for download

Example Notices and Reports

Aerospace NESHAP Reporting Requirements from Naval Facilities Engineering Service Center (2/12/01 version). NOTE: This document is not sanctioned, nor has it been checked for accuracy, by the EPA. It is being provided for FYI only.



Initial Notification [with example responses]



Notification of Compliance Status [with example responses]



(V97 format)

Semiannual/Annual Notification Report [with and without example responses, two files zipped]. **Updated 1/4/01 to reflect the 2/8/00 final amendments.** All files are zipped.



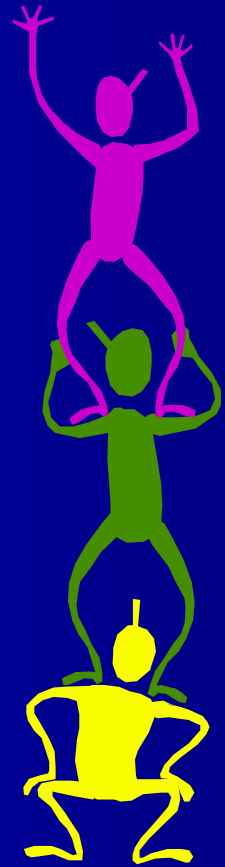
(V00 format)

Note: To use all the functions of the Semiannual/Annual Report in the PDF version, you'll need Adobe Acrobat V4 with Exchange. Adobe Acrobat Exchange allows you to save any data that you enter onto the PDF form. We are in the process of working with NTIS to make the PDF form bundled with Adobe Acrobat Exchange available on CD-ROM for a minimal cost. As soon as additional information is available we'll post it here.

Success depends on Teamwork

Let's work together to:

- Assess needs/priorities/plan
- Leverage our scarce resources
- Prevent duplication of effort
- Share information on what works



Tools for EPA's Air Toxics Rules

Questions/Comments?

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Overview of Interactive CD Development

By Jean Campbell
Environmental Protection Agency
Region 4

Overview of Interactive CD Development

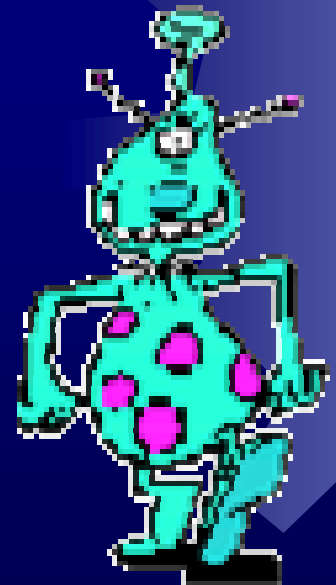
- ✱ Project Goals
- ✱ Description of Project
- ✱ Budget Limits
- ✱ Development of Storyboard and Script
- ✱ Delivery/Distribution of Product

Project Goals

- ✱ Ultimate Goal of Project
- ✱ Intended Audience
- ✱ Timing Goals

Project Goals

- ★ Ultimate Goal of Project
 - ★ Rule overview and compliance timelines
 - ★ Emissions monitoring requirements
 - ★ Record keeping requirements
 - ★ Reporting requirements
 - ★ Keep attention of audience



Project Goals

☀ Intended Audience

- ☀ Current knowledge of process
- ☀ Current knowledge of rule
- ☀ Management, inspectors, etc.

Project Goals

☀ Timing Goals

- Length of actual product
- Schedule for product conclusion



Description of Project

- ★ Determine project media
 - ★ Slide show
 - ★ Video
 - ★ Interactive CD
- ★ Project with or without animation?
- ★ Project with or without voice-overs?
- ★ Include music and/or sound effects?



Budget Limits

- ✱ Determine budget limits
- ✱ Project media costs
- ✱ In-house production?
- ✱ Out-source production?



Budget Limits

- ✱ Determine budget limits

Budget Limits (contd.)

☀ Project media costs

- ☀ Slide show (\$)
- ☀ Video & Interactive CD
 - Voice-over + studio time \$\$
 - Animation \$\$\$/second
 - Music/sound effects
 - Copyrighted (\$\$\$)
 - Public domain (range from free to \$)
 - Develop in-house (\$)
 - Studio time (\$\$)

Budget Limits (contd.)

☀ In-house production?

☀ Equipment for project production

- Computer software and hardware
- Video camera, tripod, etc.
- Video editing and mixing equipment
- Audio editing and mixing equipment
- Video tape players and recorders, etc.
- One-time deal or continued use of equipment?

☀ Personnel trained to operate equipment

- Personnel currently trained or need to be trained?

Budget Limits (contd.)

★ Out-source production?

★ Find the right company to meet your needs

- Networking
- Internet

★ Interviewing contractor

- Check out previous work
- Price list or cost estimate
- Division of project development or turn-key?
- Scheduled reviews
- Delivery time
- Copies of product
- Cost of additional copies

Development of Storyboard and Script

- ✱ Project purpose, background, CD navigational instructions
- ✱ Action on screen to keep audience attentive
- ✱ Visual examples
- ✱ Case studies where appropriate
- ✱ Internet hot links/reference library
- ✱ Permission to film, use animation, music, etc.
- ✱ Credits and legal disclaimers
- ✱ Contact names and phone numbers

Delivery & Distribution of Product

★ Schedule of delivery

- In contract if project out-sourced
- Relationship with regulation compliance deadlines

★ Advertising & Distribution of product

- EPA – Region 4 homepage
- EPA – Air Toxics HON website
- National Compliance Assistance Clearinghouse
- Small Business Administration web page
- Regional/Region 4 – State & Local Air Pollution Control Agencies



QUESTIONS?

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